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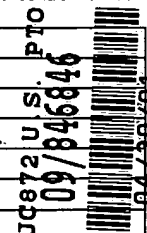
PTO/SB/08A (08-00)

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Substitute for Form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				Complete If Known	
				Application Number	TBD
				Filing Date	04/30/2001
				First Named Inventor	Carl M. Panasik, Et al.
				Group Art Unit	TBD
Sheet	1	of	2	Examiner Name	TBD
				Attorney Docket No.	TI-32885



U.S. PATENT DOCUMENTS						
Exam. Initials	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Doc.	Date of Pub. of Cited Doc. (mm-dd-yyyy)	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
AA	AA	5,815,102		John Melanson	09/29/1998	
AB	AB	5,952,947		Nussbaum, et al.	09/14/1999	
AC	AC	5,920,273		Masamitsu Hirano	07/06/1999	
AD	AD	5,815,102		John Melanson	09/29/1998	
AE	AE	5,786,779		Phil-Seong Chun, et al.	07/28/1998	
AF	AF	5,712,635		James Wilson, et al.	07/28/1998	
AG	AG	5,701,106		Julia Pikkarainen, et al.	12/23/1997	
AH	AH	5,313,205		James Wilson	05/17/1994	
AI	AI	5,079,551		Shigenobu Kimura, et al.	01/07/1992	
AJ	AJ	4,901,077		Todd J. Christopher	02/13/1990	
AK	AK					
AL	AL					
AM	AM					
AN	AN					
AO	AO					

FOREIGN PATENT DOCUMENTS								
Exam. Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Doc.	Date of Pub. of Cited Doc. (mm-dd-yyyy)	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>2</sup> (if known)				
	BA							
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<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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				Application Number	TBD
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				First Named Inventor	Carl M. Panasik, Et al.
				Group Art Unit	TBD
Examiner Name	TBD				
Sheet	2	of	2	Attorney Docket No.	TI-32885

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Exam. Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
JP	CA	"A Second-Order Double-Sampled Delta-Sigma Modulator Using Individual-Level Averaging", Chuc K. Thanh, et al., 1997 IEEE Journal of Solid-State Circuits, Vol. 32, No. 8, 08/1997, pp. 1269-1273	
	CB		
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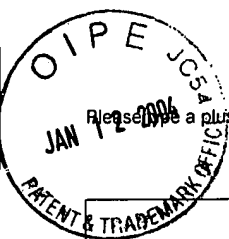
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<b>Substitute for Form 1449A/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<b>Complete If Known</b>	
				Application Number	09/846,846
				Filing Date	04/30/2001
				First Named Inventor	Carl M. Panasik, et al.
				Group Art Unit	2817
				Examiner Name	TBD
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#### U.S. PATENT DOCUMENTS

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#### FOREIGN PATENT DOCUMENTS

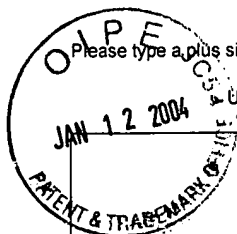
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		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>2</sup> (if known)				
JP	BA		EP 0 597 123 A1		Matsushita Electric Ind Co Ltd	18/05/1994		
JP	BB		EP 1 001 538 A2		Bosch GMBH Robert	17/95/2000		
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First Named Inventor	Carl M. Panasik, et al.
Group Art Unit	2817
Examiner Name	TBD
Attorney Docket No.	TI-32885

Sheet

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of

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## OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

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JP	CA	"Galton I: Delta Sigma Data Conversion in Wireless Transceivers", IEEE Transactions on Microwave Theory and Techniques, IEEE Inc. New York, US, Vol. 50, No. 1, Part 2, 01/2002, pp. 302-315, XP001085552, ISSN: 0018-9480	
JP	CB	Patent Abstracts of Japan, Vol. 1997, No. 11, 28/11/1997 & JP 09 185379A (Sony Corp), 15/07/1997	
JP	CC	Patent Abstracts of Japan, Vol. 008, No. 115 (E-247), 29/05/1984 & JP 59 030324A (Hitachi Selsakusho KK), 17/02/1984	
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Examiner Signature	<i>gmr</i>	Date Considered	8/1/04
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